

QIROX QRC-350-EO robot

New robot with 7th axis for overhead mounting

HAIGER, September 2023 - At SCHWEISSEN & SCHNEIDEN 2023, CLOOS will present the new QIROX QRC-350-EO robot with classic wrist and 3,500-mm working space. The six-axis articulated arm robot has an excenter axis 7 which is integrated between robot base and centre point of axis 1. The robot is used in upright position and is mounted on a base or directly at a robot positioner. Thanks to its eccentric axis 7, which is specially designed for overhead applications, the robot can be optimally integrated into complex system concepts. The space requirement of the robot system is reduced to a minimum. The QIROX QRC-350-EO has a classic wrist where welding torches, flame cutters and other working tools with a weight of up to 15 kg can be mounted. The integration of a changing tool on the wrist allows the application of more processes with a robot.

The robot is the central element in the QIROX solution package. You benefit in particular from the modular design of the entire mechanics. All components of the robot, from the robot base to the wrist, are perfectly matched to each other. By using different component groups, you get a customised welding robot for every production requirement. With our four robot series for different applications, optimal solutions can be realised for the most diverse welding processes and production environments. Depending on your requirements, you can choose between a robot with a classic or a hollow shaft wrist. The robot is supplemented by a variety of different positioners. These expand the working area of the robot and bring the workpieces into an optimal processing position.



Photo 1: The new QIROX QRC-350-EO robot can be optimally integrated into complex system concepts.

**CLOOS Welding technology:
Robot and welding technology from a single source**

Since 1919, Carl Cloos Schweisstechnik GmbH has been one of the leading companies in welding technology. More than 900 employees all over the world realise production solutions in welding and robot technology for industries such as construction machinery, railway vehicles, energy, automotive and agricultural industry. The modern CLOOS welding power sources of the QINEO series are available for a multitude of welding processes. With the QIROX robots, positioners and special purpose machines CLOOS develops and manufactures automated welding systems meeting the specific requirements of the customers. The special strength of CLOOS is the widely spread competence. Because – from the welding technology, robot mechanics and controller to positioners, software and sensors – CLOOS supplies everything from a single source.

Press contact:

Carl Cloos Schweisstechnik GmbH
Carl-Cloos-Strasse 1
35708 Haiger
GERMANY

Stefanie Nüchtern-Baumhoff
Tel. +49 (0)2773 85-478
E-Mail: stefanie.nuechtern@cloos.de